

STATEMENT OF BASIS (AI No. 104407)

for draft Louisiana Pollutant Discharge Elimination System permit No. LA0117099 to discharge to waters of the State of Louisiana.

THE APPLICANT IS: Boasso America Corporation
Chalmette Facility
100 Intermodal Drive
Chalmette, Louisiana 70043

ISSUING OFFICE: Louisiana Department of Environmental Quality (LDEQ)
Office of Environmental Services
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

PREPARED BY: Michelle Bickham

DATE PREPARED: April 18, 2008

1. PERMIT STATUS**A. Reason For Permit Action:**

Permit reissuance of a Louisiana Pollutant Discharge Elimination System (LPDES) permit for a 5-year term.

B. LPDES permit - LA0117099
LPDES permit effective date: August 1, 2003
LPDES permit expiration date: July 31, 2008

C. Date Application Received: March 17, 2008

2. FACILITY INFORMATION**A. FACILITY TYPE/ACTIVITY - intermodal tank cleaning, storage, and repair facility**

Boasso America Corporation, Chalmette Facility is an existing intermodal tank cleaning, storage, and repair facility. Most of the operations are housed in new and/or renovated St. Bernard Port Authority (SBPA) buildings. The majority of the property leased by Boasso from the SBPA is used for storage of tanks, dry box containers, and chassis parking. Maintenance, repair, cleaning, and non-destructive testing of tanks occurs within enclosed or roofed buildings. Limited painting and blasting is conducted within these enclosed areas. Tank cleaning wastewater from the facility is contained and shipped off-site for disposal. Hydrostatic test wastewaters are also collected and are sometimes disposed of off-site; however, Boasso wants to maintain the option of discharging hydrostatic wastewater through Outfall 103. The sanitary wastewater from the facility is discharged to the SBPA treatment plant which is permitted under the SBPA permit, LA0000876.

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B. FEE RATE

1. Fee Rating Facility Type: minor
2. Complexity Type: I
3. Wastewater Type: III
4. SIC code: 7699, 4231

C. LOCATION - 100 Intermodal Drive, Chalmette, St. Bernard Parish
Latitude 29°56'34", Longitude 89°58'58"

3. OUTFALL INFORMATION

Outfall 001

Discharge Type: stormwater runoff from the west side of the facility
(including runoff from the west side of the Maintenance
and Administration Building, employee parking and empty
and loaded tank storage areas)

Treatment: none

Location: at the point of discharge from the northwest side of the
facility (Latitude 29°56'34", Longitude 89°58'52")

Flow: intermittent

Discharge Route: local drainage thence to the SBPA retention pond thence
to the Mississippi River

Outfall 002

Discharge Type: stormwater runoff from the north side of the facility
(including the immediate area surrounding the KACC
stack)

Treatment: none

Location: at the point of discharge from the northwest side of the
facility (Outfall 002 is located between Outfall 001
and Outfall 003) (Latitude 29°56'34", Longitude
89°58'50")

Flow: intermittent

Discharge Route: local drainage thence to the SBPA retention pond thence
to the Mississippi River

Outfall 003

Discharge Type: stormwater runoff from the east side of the facility
(including runoff from the east side of the Maintenance
and Administration Buildings, the hydrostatic test area,
the empty ISO tank and dry box container storage areas,
loaded ISO tank storage area, and the south engine
building area and access way), sheet flow condensate,
HVAC condensate, and steam condensate combined with
hydrostatic test wastewater from Outfall 103

Treatment: none

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Location: at the point of discharge from the northeast side of the facility (Latitude 29°56'34", Longitude 89°58'40")
 Flow: intermittent
 Discharge Route: local drainage thence to the SBPA retention pond thence to the Mississippi River

Outfall 103

Discharge Type: hydrostatic wastewater
 Treatment: settling in holding tank, pH adjustment
 Location: at the point of discharge from the holding tank located on the east side of the shop (Latitude 29°56'12", Longitude 89°58'52")
 Flow: intermittent (~10,000 gallons/discharge*)
 Discharge Route: through Outfall 003 thence to local drainage thence to the SBPA retention pond thence to the Mississippi River

* These wastewaters are typically disposed of off-site.

4. RECEIVING WATERS

STREAM - local drainage thence to the St. Bernard Port Authority stormwater retention pond thence to the Mississippi River

BASIN AND SEGMENT - Mississippi River Basin, Segment 070301

DESIGNATED USES - a. primary contact recreation
 b. secondary contact recreation
 c. propagation of fish and wildlife
 d. drinking water supply

5. PROPOSED EFFLUENT LIMITS

BASIS - See Rationale below.

Changes from previous permit:

Outfall 003 - sheetflow condensate, HVAC condensate, and steam condensate added to outfall description

6. COMPLIANCE HISTORY/COMMENTS

A. Compliance History

An inspection was conducted at the facility on January 20, 2005. The inspector reviewed records and conducted a tour of the facility to confirm facility operational status. All proper paperwork was available for review. No excursions were reported.

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B. DMR Review/Excursions

A DMR review of the last two available years was conducted. All DMR's were submitted in accordance with the existing permit. The excursions are listed as follows:

<u>Date</u>	<u>Parameter</u>	<u>Outfall</u>	<u>Reported Value</u>	<u>Permit Limits</u>
12/06	TOC	001	69.2 mg/L	50 mg/L
12/06	TOC	001	53.8 mg/L	50 mg/L

7. EXISTING EFFLUENT LIMITS

Outfalls 001, 002, and 003 - stormwater runoff

Parameter	LPDES	
	Monthly Average	Daily Maximum
Flow - gpd	Report 1/3 mos Est.	Report 1/3 mos Est.
TOC	---	50 mg/L 1/3 mos Grab
Oil & Grease	---	15 mg/L 1/3 mos Grab
pH	6.0 - 9.0 s.u. 1/3 mos Grab	

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Outfall 103 - hydrostatic test wastewaters

Parameter	LPDES	
	Monthly Average	Daily Maximum
Flow - gpd	Report 1/discharge Est.	Report 1/discharge Est.
TSS	---	90 mg/L 1/discharge Grab
Oil & Grease	---	15 mg/L 1/discharge Grab
TOC	---	50 mg/L 1/discharge Grab
Benzene	---	50 µg/L 1/discharge Grab
Total BTEX	---	250 µg/L 1/discharge Grab
Lead	---	50 µg/L 1/discharge Grab
pH	6.0 - 9.0 s.u. 1/3 mos Grab	

8. ENDANGERED SPECIES

The receiving waterbody, Subsegment 070301 of the Mississippi River Basin, has been identified by the U.S. Fish and Wildlife Service (FWS) as habitat for the Pallid Sturgeon, which is listed as an endangered species. LDEQ has not submitted this draft permit to the FWS for review in accordance with a letter dated 10/24/07 from Boggs (FWS) to Brown (LDEQ). As set forth in the Memorandum of Understanding between the LDEQ and the FWS, and

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based on information provided by the FWS, LDEQ has determined that the issuance of the LPDES permit is not likely to have an adverse effect upon the Pallid Sturgeon. Effluent limitations are established in the permit to ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat. The more stringent of technology and water quality based limits (as applicable) have been applied to ensure maximum protection of the receiving water.

9. HISTORIC SITES

The discharge is from an existing facility location, which does not include an expansion on undisturbed soils. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the "Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits" no consultation with the Louisiana State Historic Preservation Officer is required.

10. TENTATIVE DETERMINATION

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to reissue a permit for the discharge described in the application.

11. PUBLIC NOTICES

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

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Rationale for Boasso America Corporation

1. Outfalls 001, 002, and 003 - stormwater runoff (estimated flow is intermittent)

<u>Pollutant</u>	<u>Limitation</u> Mo. Avg:Daily Max (mg/l)	<u>Reference</u>
Flow	Report:Report	
TOC	---:50 mg/L	previous permit
Oil & Grease	---:15 mg/L	previous permit
pH	6.0 - 9.0 s.u.	previous permit

Treatment: none

Monitoring Frequency: 1/quarter for all parameters at the point of discharge from the various outfalls

Limits Justification: Limits based on the previous permit and on current guidance for similar discharges from other facilities.

NOTE: Outfall 003 also contains sheet flow, HVAC, and steam condensate as well as hydrostatic test wastewater from Outfall 103.

2. Outfall 103 - hydrostatic test wastewater (estimated flow varies and is intermittent)

<u>Pollutant</u>	<u>Limitation</u> Mo. Avg:Daily Max	<u>Reference</u>
Flow	Report:Report	
TSS	---:90 mg/L	previous permit
Oil & Grease	---:15 mg/L	previous permit
TOC	---:50 mg/L	previous permit
Benzene	---:50 µg/L	previous permit
Total BTEX	---:250 µg/L	previous permit
Lead	--- 50µg/L	previous permit
pH	6.0 - 9.0 s.u.	previous permit

Note: Sampling for Benzene, Total BTEX, and Lead is only required for tanks that are not new.

Treatment: settling in holding tank, pH adjustment

Monitoring Frequency: 1/prior to proposed discharge at the point of discharge from the holding tank on the east side of the shop

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Limits Justification: Limits based on previous permit, LAG670000, and similar discharges

* Existing permits for similar outfalls
su Standard Units

NOTE

For outfalls containing concentration limits, the usage of concentration limits is based on BPJ for similar outfalls since the flow is variable and estimated.

STORM WATER POLLUTION PREVENTION PLAN (SWP3) REQUIREMENT

A SWP3 is included in the permit because in accordance with LAC 33:IX.2511.A.1, storm water coverage is not required in an LPDES permit "... except... discharges associated with industrial activity." In accordance with LAC 33:IX.2511.B.14.h, facilities classified as SIC code 4231 are not considered to have storm water discharges associated with industrial activity unless they have "vehicle maintenance shops, equipment cleaning operations, or airport deicing operations." This facility has equipment cleaning operations; therefore, an SWP3 is required.

The SWP3 shall be prepared, implemented, and maintained within (6) months of the effective date of the final permit. The plan should identify potential sources of storm water pollution and ensure the implementation of practices to prevent and reduce pollutants in the storm water discharges associated with industrial activity at the facility (see Narrative Requirements for the AI).

TMDL/303(d) LANGUAGE

The discharges from Boasso America Corporation, Chalmette Facility are to the Mississippi River, Subsegment 070301 of the Mississippi River Basin. Subsegment 070301 is not listed on LDEQ's Final 2006 303(d) List as impaired, and to date no TMDL's have been established. A reopener clause will be established in the permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by any future TMDLs.